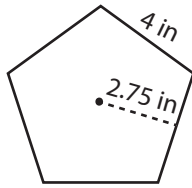


Polygon - Area & Perimeter

Example:



Perimeter = number of sides \times side length

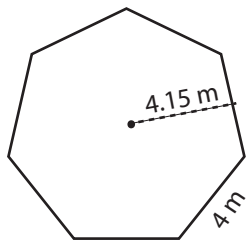
$$= 5 \times 4 = \mathbf{20 \text{ in}}$$

$$\text{Area} = \frac{1}{2} \times \text{apothem} \times \text{perimeter}$$

$$= \frac{1}{2} \times 2.75 \times 20 = \mathbf{27.5 \text{ in}^2}$$

Find the perimeter and area of each polygon.

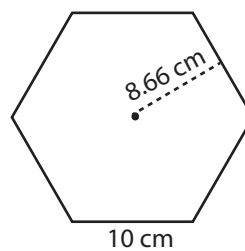
1)



Perimeter = _____

Area = _____

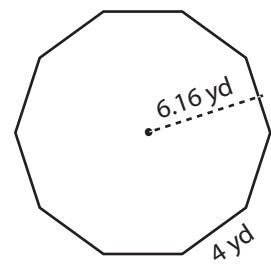
2)



Perimeter = _____

Area = _____

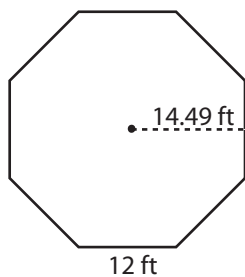
3)



Perimeter = _____

Area = _____

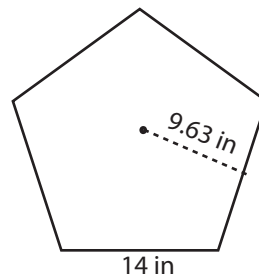
4)



Perimeter = _____

Area = _____

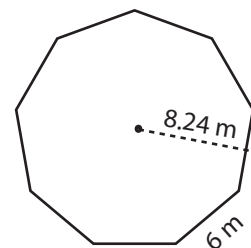
5)



Perimeter = _____

Area = _____

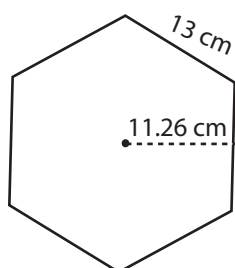
6)



Perimeter = _____

Area = _____

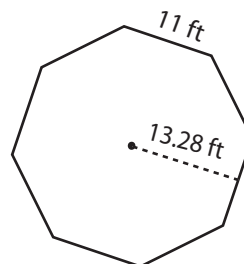
7)



Perimeter = _____

Area = _____

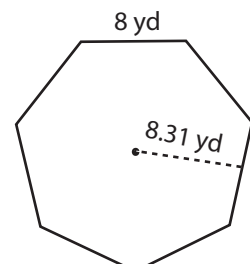
8)



Perimeter = _____

Area = _____

9)

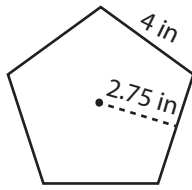


Perimeter = _____

Area = _____

Answer Key

Example:

Perimeter = number of sides \times side length

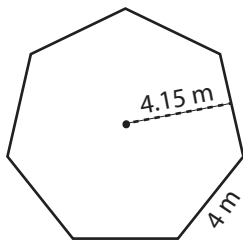
$$= 5 \times 4 = \mathbf{20 \text{ in}}$$

$$\text{Area} = \frac{1}{2} \times \text{apothem} \times \text{perimeter}$$

$$= \frac{1}{2} \times 2.75 \times 20 = \mathbf{27.5 \text{ in}^2}$$

Find the perimeter and area of each polygon.

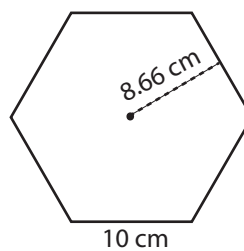
1)



$$\text{Perimeter} = \mathbf{28 \text{ m}}$$

$$\text{Area} = \mathbf{58.1 \text{ m}^2}$$

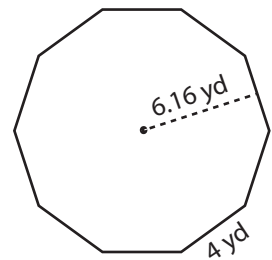
2)



$$\text{Perimeter} = \mathbf{60 \text{ cm}}$$

$$\text{Area} = \mathbf{259.8 \text{ cm}^2}$$

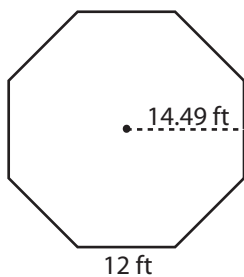
3)



$$\text{Perimeter} = \mathbf{40 \text{ yd}}$$

$$\text{Area} = \mathbf{123.2 \text{ yd}^2}$$

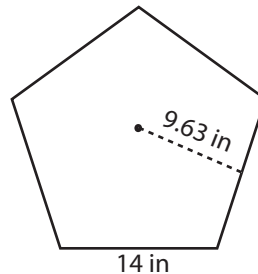
4)



$$\text{Perimeter} = \mathbf{96 \text{ ft}}$$

$$\text{Area} = \mathbf{695.52 \text{ ft}^2}$$

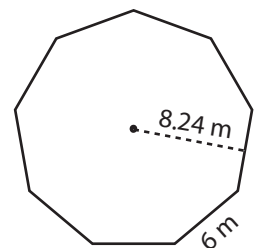
5)



$$\text{Perimeter} = \mathbf{70 \text{ in}}$$

$$\text{Area} = \mathbf{337.05 \text{ in}^2}$$

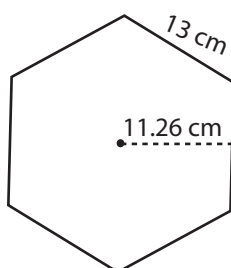
6)



$$\text{Perimeter} = \mathbf{54 \text{ m}}$$

$$\text{Area} = \mathbf{222.48 \text{ m}^2}$$

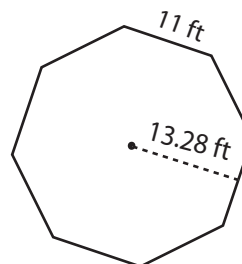
7)



$$\text{Perimeter} = \mathbf{78 \text{ cm}}$$

$$\text{Area} = \mathbf{439.14 \text{ cm}^2}$$

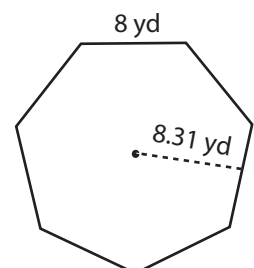
8)



$$\text{Perimeter} = \mathbf{88 \text{ ft}}$$

$$\text{Area} = \mathbf{584.32 \text{ ft}^2}$$

9)



$$\text{Perimeter} = \mathbf{56 \text{ yd}}$$

$$\text{Area} = \mathbf{232.68 \text{ yd}^2}$$